BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Improvements to Road and Drains From Center Excise Layout to Rail way level Crossing (Telecom layout Railway Crossing) in ward No 05 Byatarayanapura Sub Division

							Estimate Cost Rs.		2500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M300- Maintenance of Earthen ShouldersKSRRB M300-2: Making up loss of material / irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment complete as per specifications MORTH specification No. 3003, No. 260 Item No. 35.2 PWD SR 2013-14	Sqm							
	Center Exicise Layout Cross Roads		20	3.00	1.20		72.00		
			20	4.50	1.50		135.00		
			30	3.50	1.00		105.00		
			23	3.25	1.20		89.70		
			20	3.00	1.75		105.00		
							506.70	16.31	**8263.00**
	Basic Rate	15.10							
	Area Weightage @ 8%	1.21							
	Total	16.31							
2	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 166/ Item No. 20.18/ PWD SR 2013-14	Cum							
	Center Exicise Layout Cross Roads		20	3.00	1.20	0.15	10.80		
			20	4.50	1.50	0.15	20.25		
			30	3.50	1.00	0.15	15.75		
			23	3.25	1.20	0.15	13.46		
			20	3.00	1.75	0.15	15.75		
							76.01	**1121.04**	**85205.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	1121.04							
3	Filling Pot-holes and Patch Repairs with Bituminous concrete, 40mm.KSRRB M3000-5. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 500.0 back filling the pot hole with bituminous material as per clause 500.4 campacting traimming and finishing the surface to form a smooth continuous surface all as per clause 3004.2 complete as per specifications MORTH Specification No. 260 / Item No. 35.5 PWD SR 2013-14	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Center Exicise Layout Cross Roads		20	3.00	1.20		72.00		
			20	4.50	1.50		135.00		
			30	3.50	1.00		105.00		
			23	3.25	1.20		89.70		
			20	3.00	1.75		105.00		
							506.70	410.40	**207950.00**
	Basic Rate	380.00							
	Area Weightage @ 8%	30.40							
	Total	410.40							
4	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2013-14	cum							
	Desilting of Drains								
	Cross Roads		1	250.00	0.40	0.25	25.00		
			1	300.00	0.40	0.35	42.00		
	Berm Cutting		1	250.00	1.20	0.30	90.00		
			1	300.00	1.20	0.40	144.00		
							301.00	126.36	**38034.00**
	Basic Rate	117.00							
	Area Weightage @ 8%	9.36							
	Total	**126.36**							
5	Removing B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 20113-14	Sqm							
	Cross Roads		1	250.00	1.35		337.50		
			1	300.00	1.35		405.00		
							742.50		
	Deduct 25% Missing Slabs						185.63		
							556.88	50.11	**27906.00**
	Basic Rate	46.40							
	Area Weightage @ 8%	3.71							
	Total	**50.11**							
6	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 28/ Item No. 5.33/ PWD SR 2013-14	Sqm							
			Qty Vide Item No.2				556.88		
							556.88	**70.04**	**39002.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2013-14	**Sqm**							
	For Missing slabs (25%)		Missing Slabs				185.63		
							185.63	343.44	**63751.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	318.00							
	Area Weightage @ 8%	25.44							
	Total	**343.44**							
8	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 170/ Item No. 20.18/ PWD SR 2013-14	Cum							
	Cross Roads		1	100.00	8.00	0.20	160.00		
	Cross Roads		2	250.00	1.45	0.20	145.00		
			2	300.00	1.40	0.20	168.00		
							473.00	1121.04	**530252.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
9	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 175/ Item No. 21.4/ PWD SR 2013-14	Sqm							
	Cross Roads		1	100.00	8.00		800.00		
	Cross Roads		2	250.00	1.50		750.00		
			2	300.00	1.50		900.00		
							2450.00	100.60	**246475.00**
	Basic Rate	93.15							
	Area Weightage @ 8%	7.45							
	Total	**100.60**							
10	KSRRB 500-7 : Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No.173, Item No. 21.9 PWD SR 2013-14	**Sqm**							
	Cross Roads		1	250.00	5.00		1250.00		
	Central Exise Layout Road		1	200.00	8.00		1600.00		
							2850.00	28.94	**82490.00**
	Basic Rate	26.80							
	Area Weightage @ 8%	2.14							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	28.94							
1	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. P. No. 174/ Item No. 21.20/ PWD SR 2013-14	Cum							
	Cross Roads		1	250.00	5.00	0.025	31.25		
	Central Exise Layout Road		1	300.00	8.00	0.025	60.00		
							91.25	9631.44	**878869.00**
	Basic Rate	8918.00							
	Area Weightage @ 8%	713.44							
	Total	**9631.44**							
12	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
				Qty. Vide Item No. 1			**301.00**		
							301.00	67.32	**20263.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading	62.20							
	Total	**67.32**							
							Grand Total		**2228460.00**
13	For 1% Third Party Charges								**22285.00**
14	KRIDL Charges and Labour Cess 11%								**245131.00**
15	Miscesallaneous Charges	L/S							**4124.00**
								Total	**2500000.00**

Technical Sanction for Rs. 25.00 Lakh
Twenty Lakh only
P2654.
Replaced to correct Sl. No. 71/13-14.
Subject to
AE/JE
21/2/14
EE (BTP Div.)

(Rupees Twenty Five Laksh Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2013-14
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
KRIDL
Assistant Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

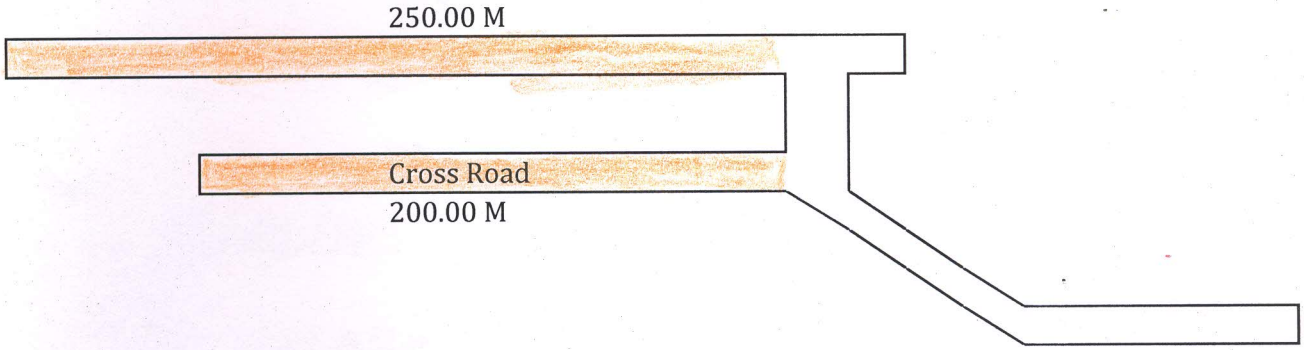
Assistant Engineer
Ward No. 05(Jakkur)

Techinical Manager
KRIDL
Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

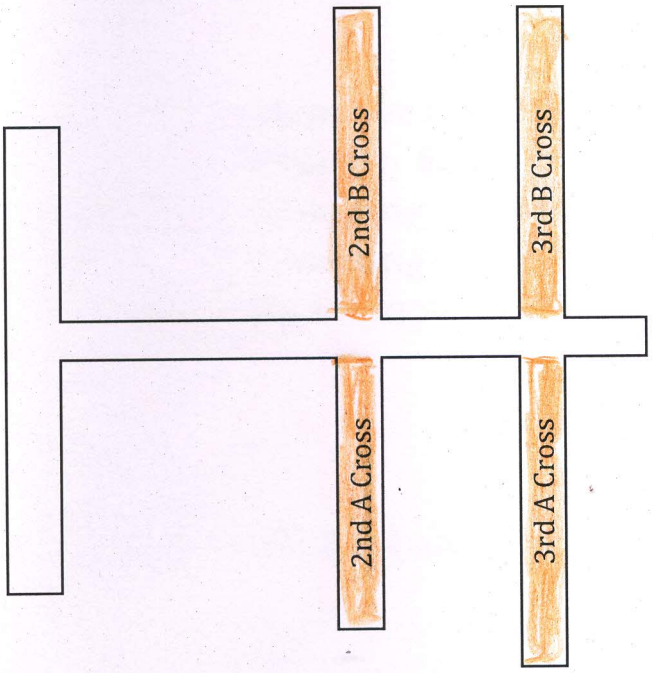
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Name of Work: Improvements to Roads and Drains from Rail way Lelve Crossing (Telecom Layout Railway Crossing) in Ward No. 05, Byataraynapura Sub Division.



Basavalingappa Nagara



Asphalt Road

AE-05
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24